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12.18.02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

LI et al

Serial No. 09/493,258

Atty Ref.: 723-824

Filed: 28 January 2000

Group: 2672

For: INCREMENTAL INTERLACE
INTERPOLATION FOR TEXTURE MORPHING

Examiner: Good Johnson

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December 16, 2002

Assistant Commissioner for Patents
Washington, DC 20231

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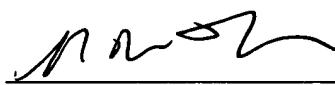
Technology Center 2600

Sir:

Enclosed herewith are eleven sheets of formal, inked drawings for the above-identified application.

Respectfully submitted,

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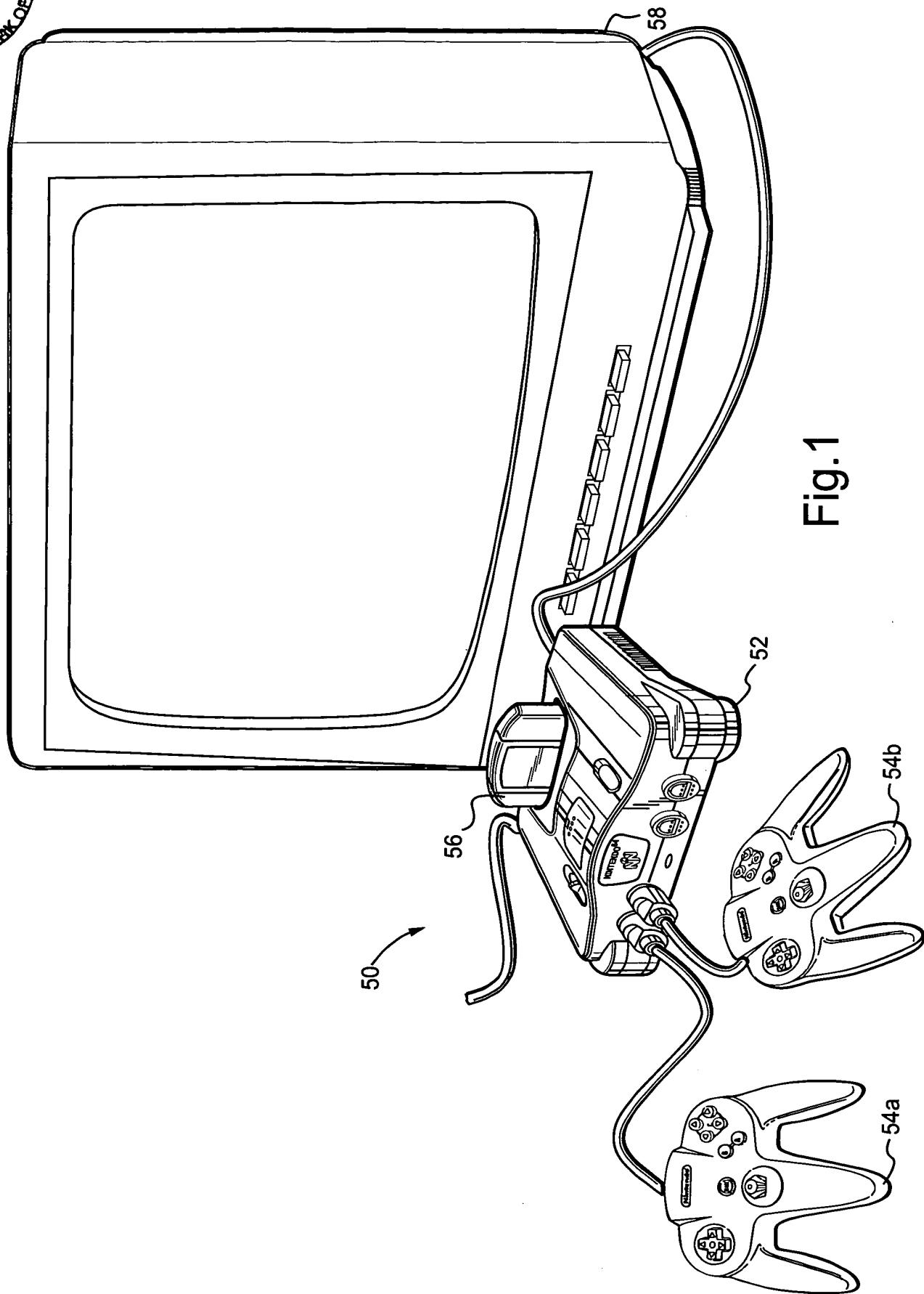




Fig. 2

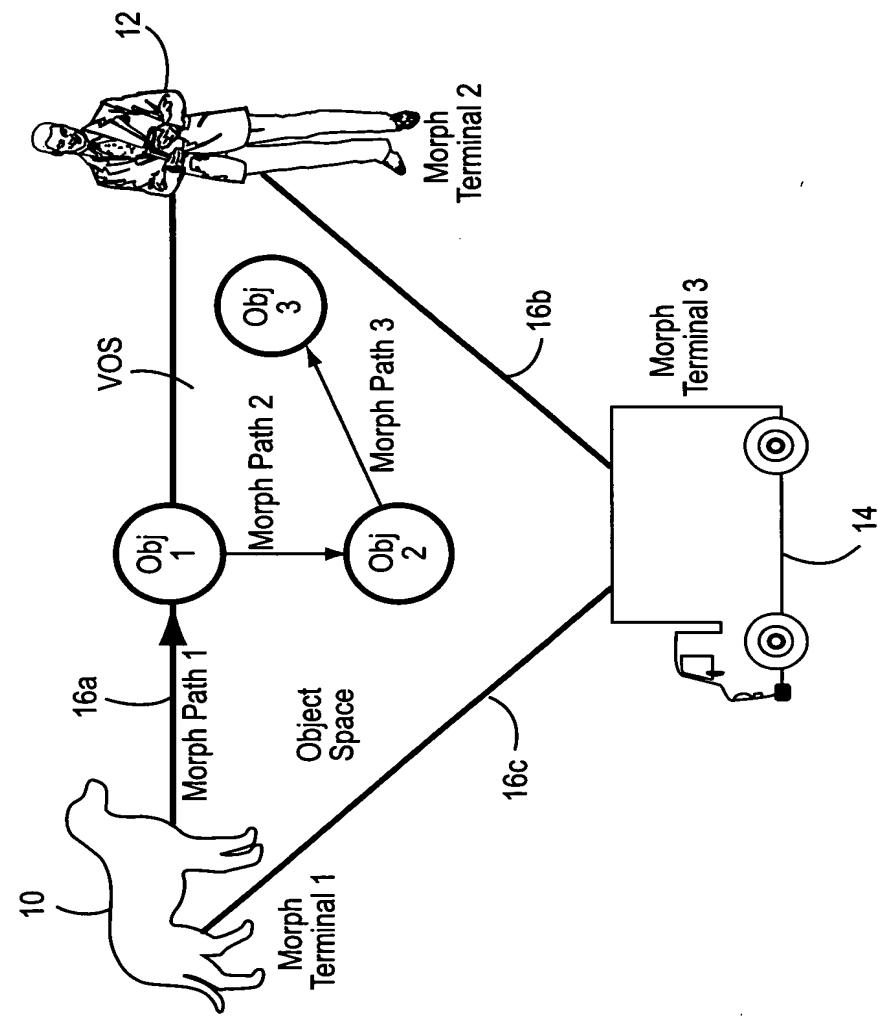




Fig. 3

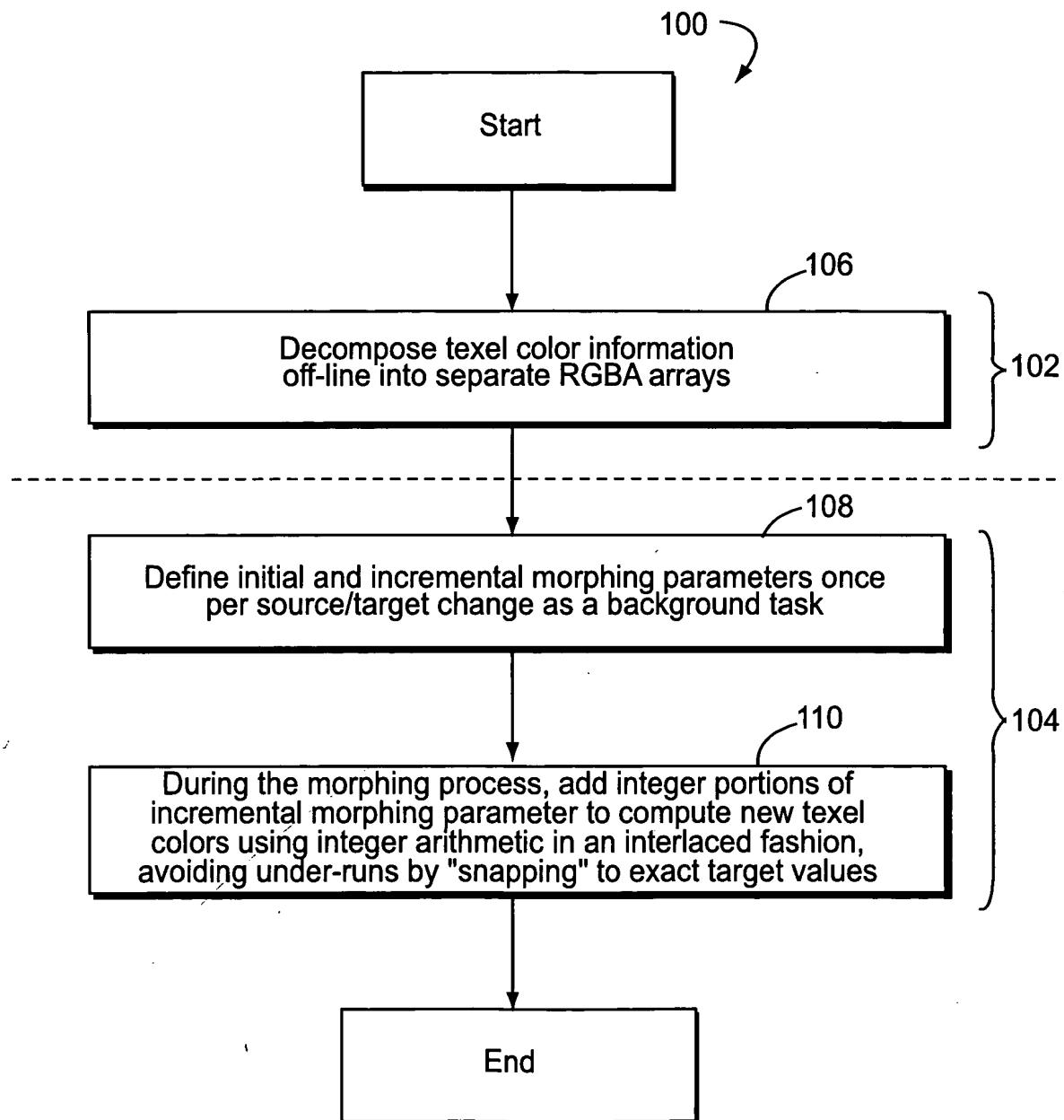
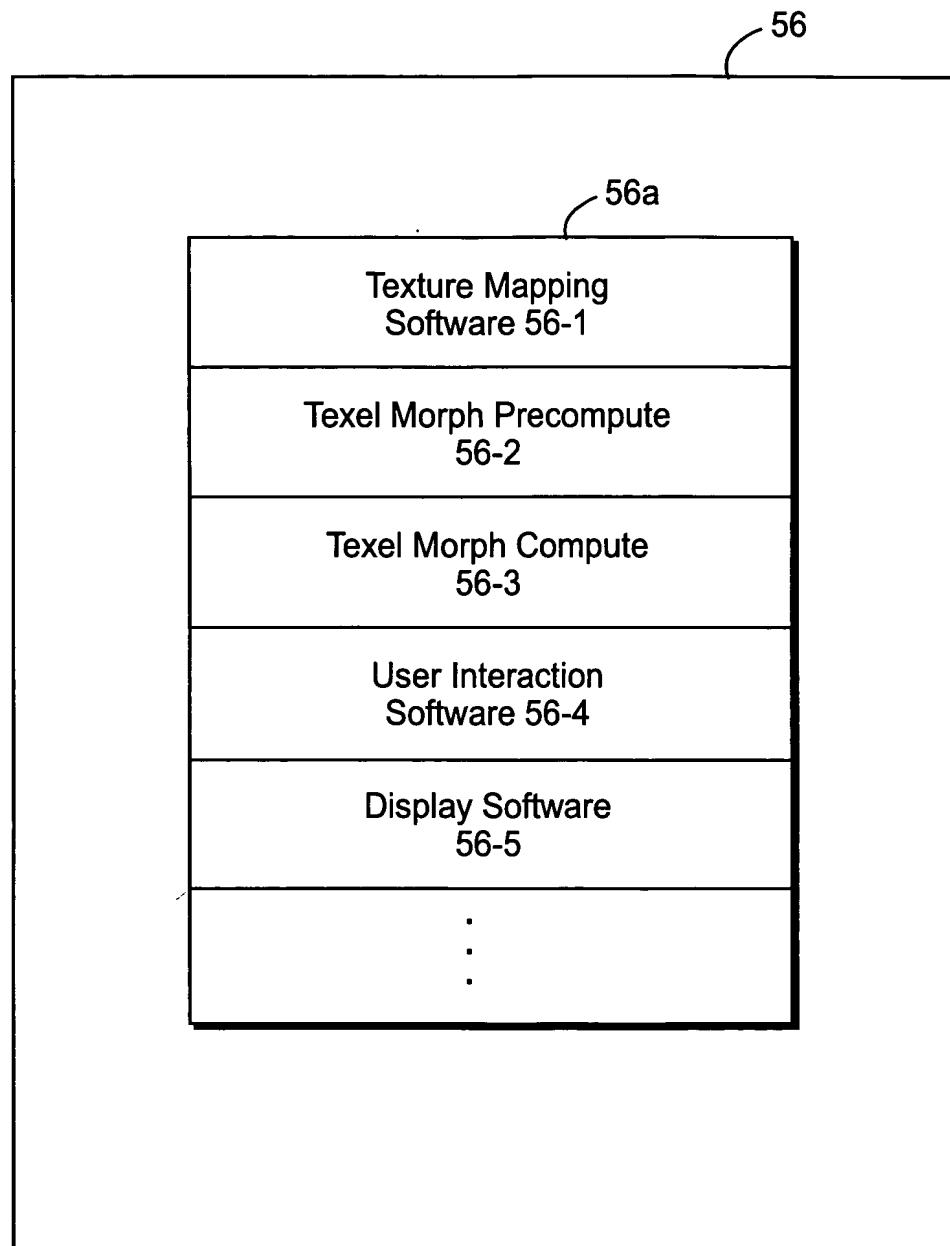




Fig. 3A





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R ₁	G ₁	B ₁	A ₁
R ₂	G ₂	B ₂	A ₂
R ₃	G ₃	B ₃	A ₃
R ₄	G ₄	B ₄	A ₄
⋮	⋮	⋮	⋮

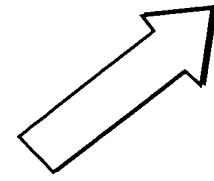
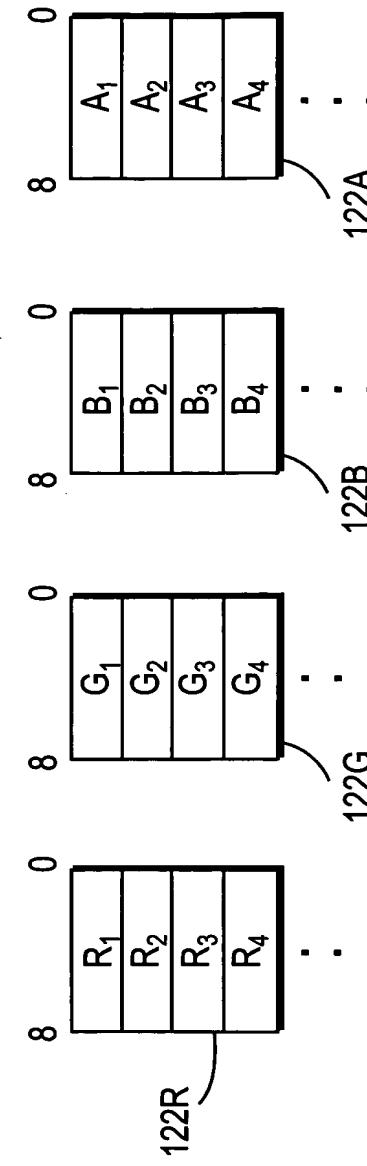


Fig. 4 Offline Color Description



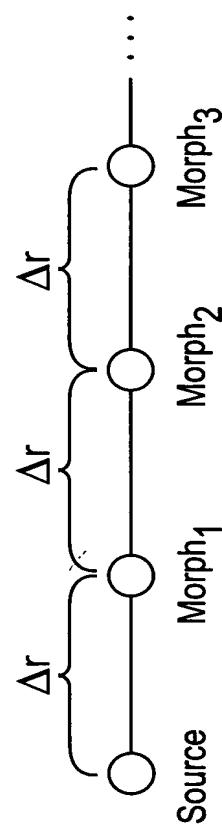


Fig. 5 Uniform Incremental Interpolation

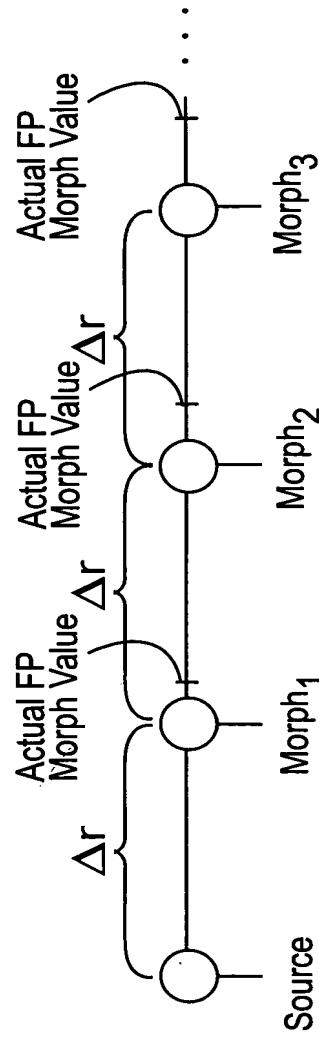


Fig. 5A Error Due to Integer Arithmetic

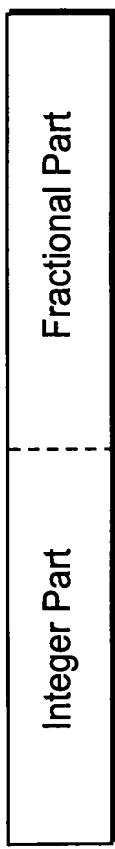


Fig. 5B Incremental Parameter

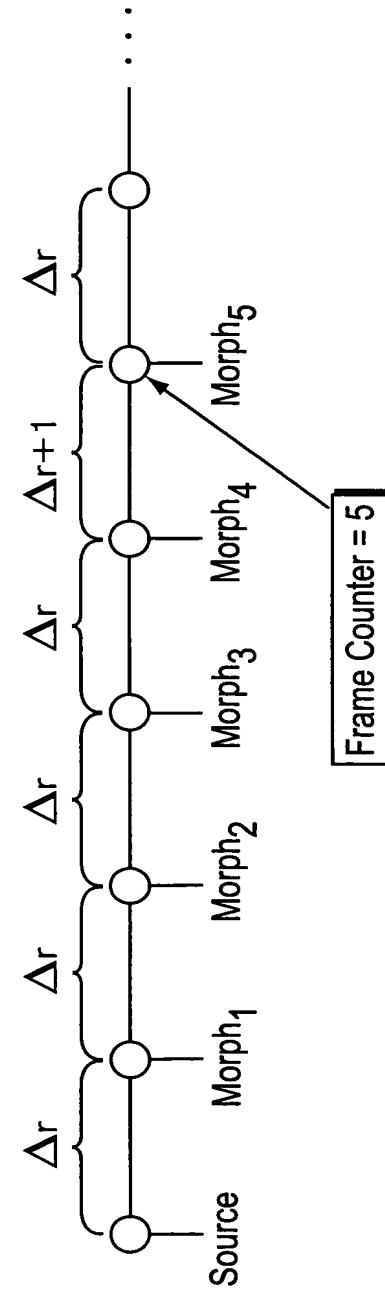


Fig. 5C Integer Correction Factor

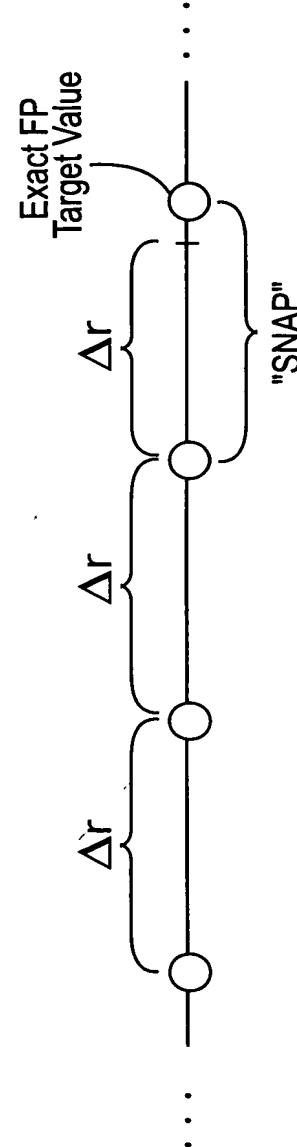


Fig. 5D "Snapping" to Prevent Underrun Artifacts

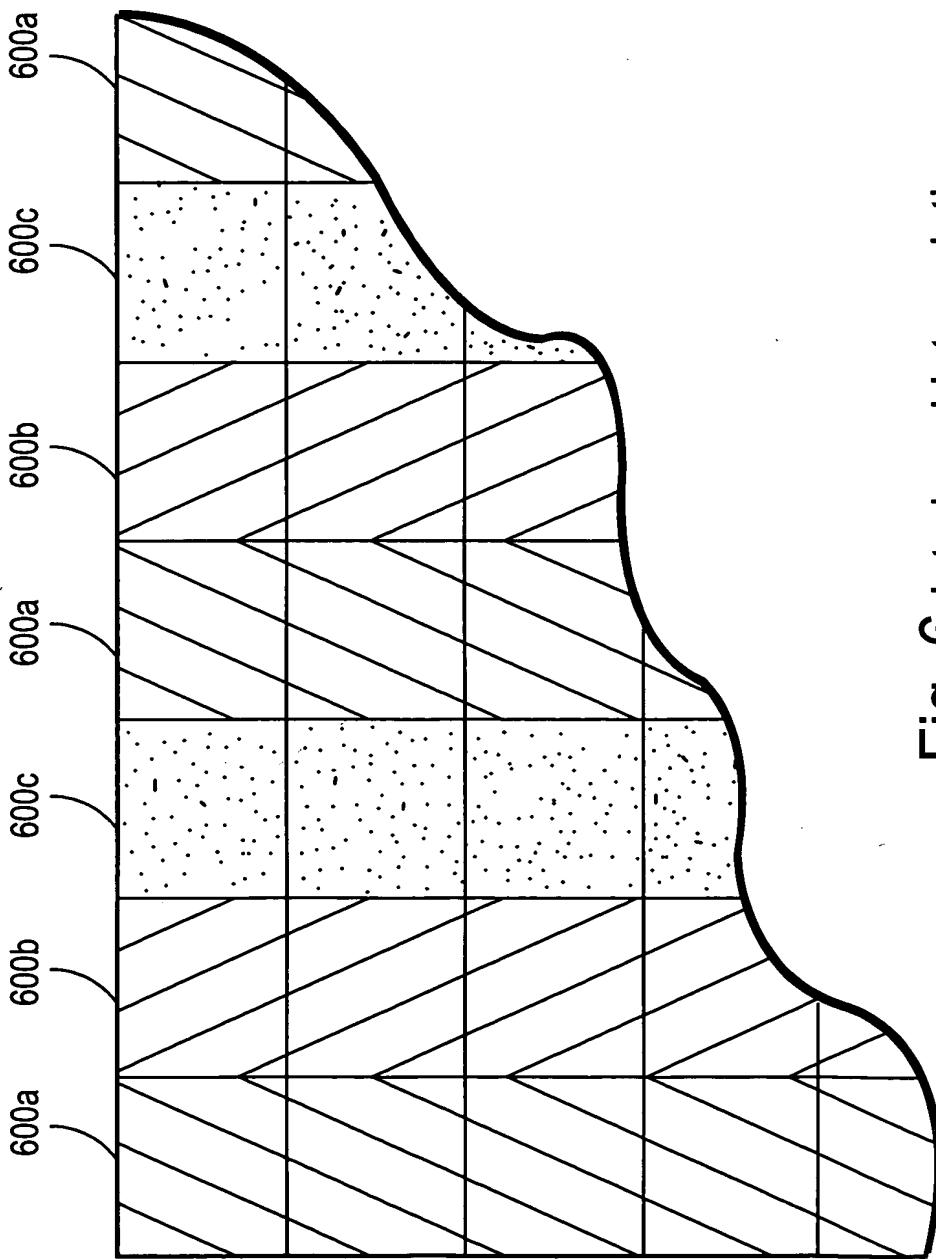


Fig. 6 Interlaced Interpolation

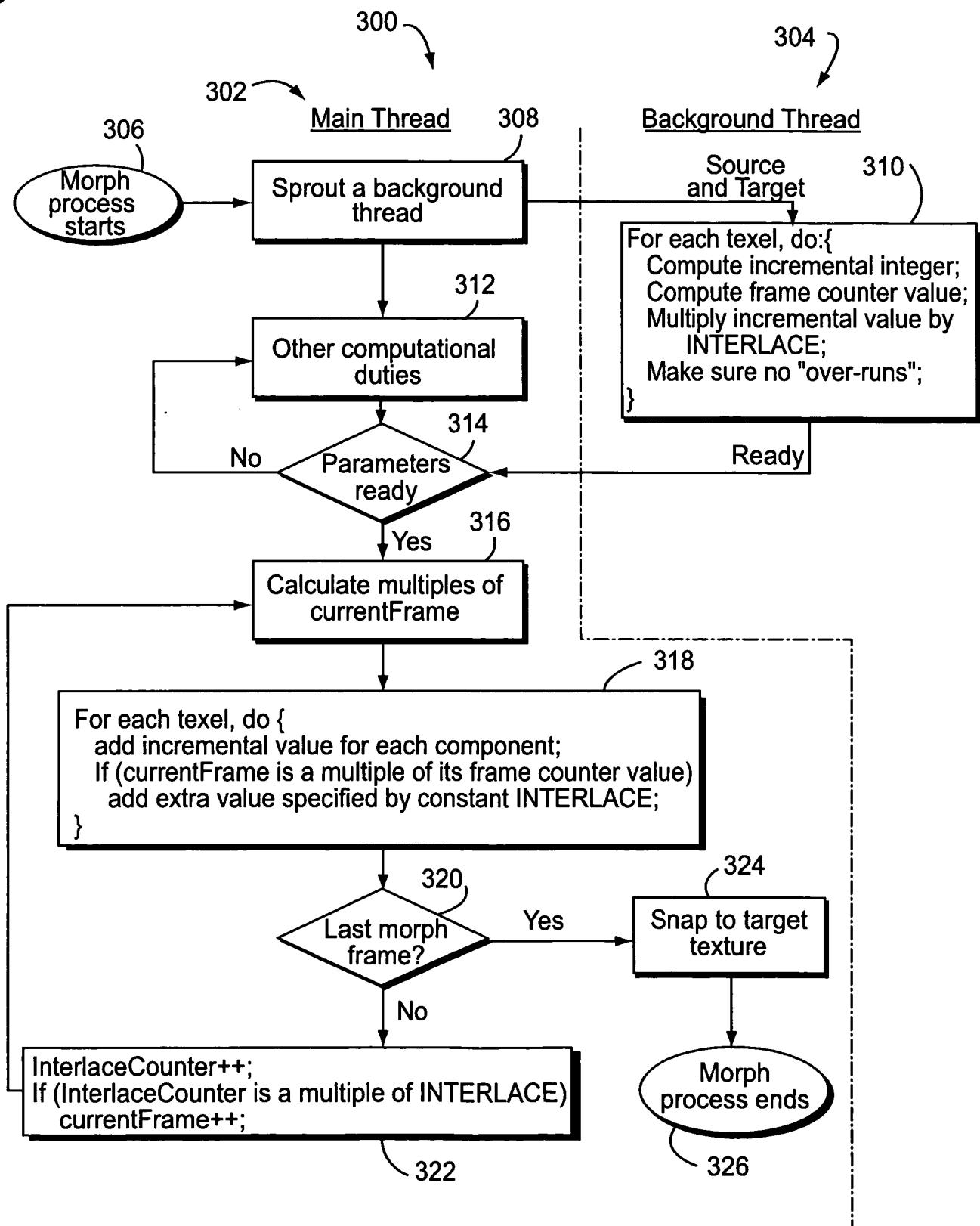
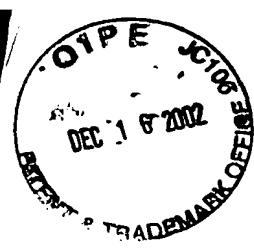


Fig. 7 Example Flowchart